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Draft Standard for Cotton Seed Quality Grade

Report Categories:

FAIRS Subject Report

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Report Highlights:

On October 15, 2012, China's National Standardization Technical Committee on Cotton Processing published draft national standard, "GB/T xxxxx-xxxx Cotton Seed Quality Grade", soliciting public comments. Comments shall be submitted to the Committee no later than November 10, 2012. This report contains an UNOFFICIAL translation of the draft standard. Further communication with the Committee shows this standard is of voluntary nature and will not go through the WTO notification process. However, the US industry is encouraged to submit comments before the deadline.

Executive Summary:

On October 15, 2012, China's National Standardization Technical Committee on Cotton Processing published draft national standard, "GB/T xxxxx-xxxx - Cotton Seed Quality Grade", for public comments. All comments shall be submitted to the Committee no later than November 10, 2012. This report contains an UNOFFICIAL translation of the draft standard. Further communication with the Committee shows this standard is of voluntary nature and will not go through the WTO notification process. Preliminary study of this standard indicates it shall not impact cotton seed trade, and currently the US origin cotton seed market access to China is still in bilateral negotiation process. However, the US industry is encouraged to submit comments before the deadline.

BEGIN Translation

To: All relevant organizations and experts:

Comments on the "GB/T xxxx-xxxx-Cotton Seed Quality Grade" shall be submitted to the National Standardization Technical Committee on Cotton Processing no later than November 10, 2012.

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National Standardization Technical Committee on Cotton Processing

Published on October 15, 2012

People's Republic of China National Standard

GB/T XXXXX-XXXX

Cotton Seed Quality Grade

(Draft for comments)

xxxx-xx-xx published

xxxx-xx-xx implemented

By General Administration for Quality Supervision, Inspection and Quarantine and China National Standardization Committee

Preface

Price for cotton seeds shall be based on its quality. By defining the quality grade of cotton seeds and

pricing it based on grade or refusal use of the cotton seed shall facilitate fair trade and avoid economic losses. The cotton trade needs to establish uniformed quality grade standards and quality test systems to facilitate cotton seed marketing, better use of resources and development of the industry.

The formulation of this standard has taken into consideration the principles of “workable” and “forward looking”, and better facilitation of international trade and economic exchange.

---Based on the usage, cotton seed is divided into two categories, namely cotton seed for oil crushing and cotton seed for feed;

---In reference to the US cotton seed trade standard, this standard includes an indicator of “crude protein”;

---Proposed judgment rules based on a comprehensive evaluation of cotton seed based on oil content and crude protein content;

This standard is proposed by the All China Cooperative for Supply and Marketing.

This standard falls within the jurisdiction of the National Standardization Technical Committee on Cotton Processing (SAC/TC 407).

Organizations responsible for drafting this standard: China Cotton Industry Co., Ltd; The Cotton processing Branch of China Cotton Association; Zhengzhou Cotton and Jute Engineering and Technical Design Institute of All China Cooperative for Supply and marketing, Beijing Zhongmian Engineering and Technical Co., Ltd; Cash Crop Research Institute of Xinjiang Academy for Agriculture Science, Xinjiang Yili Yixing Cotton Industry Co., Ltd; Chengguang Biotechnology Group etc.

Main drafters of this standard: ZHANG Yu, HU Chunlei, YI Qingyun, WANG Ruixia, LIU Zhongshan, YANG Shengxiao, CHEN Yunxia.

Cotton Seed Grades

1 Scope

This standard specifies the definition of cotton seed, grades, requirements, test methodology and requirements for packing, storage and transportation.

This standard applies to the purchasing, storage, transportation, processing and marketing of de-linted commercial cotton seeds.

2 Documents referred in this standard

The following listed documents are necessary for the implementation of this standard. All referred documents with date, only the version with the said date applies to this standard. For referred documents without date, the most updated version of the document (including all amendments) shall be applied to this standard.

GB/T 5490 Grain and Oilseed Test - General Rules

GB 5491 Grain and Oilseed Test - Sampling and Split of Samples

GB/T 5492 Grain and Oilseed Test - Evaluation of Color, Odor and Taste for Grain and Oilseeds

GB/T 5494 Grain and Oilseed Test - Test of Impurity and Damaged Kernels in Grain and Oilseeds

GB/T 5512 Grain and Oilseed Test - Test of Crude Fat in Grain and Oilseeds

GB/T14489.1 Oilseeds - Test of Moisture and Evaporation Matter Contents

GB/T 14489.2 Grain and Oilseed Test - Test of Crude Protein Content in Plant Oilseeds

GB 19641 Hygienic Standard for Vegetable Oils

3 Terms and Definitions

The following terms and definitions apply to this standard

3.1 Impurity

3.1.1 Screen underflow

Substance passed through the 3.0mm diameter screen

3.1.2 Inorganic impurities

Soil, sand, scrapes of bricks or tiles and other inorganic matters

3.1.3 Organic impurities

Cotton seed of no oil value and no feed value and other organic impurities

3.2 Color and Odor

3.2.1 Color

The natural color of regular cotton seeds

3.2.2 Odor

The natural odor smelled from regular cotton seeds

4 Categories

To be divided into two categories based on the usage

4.1 Cotton seed for oil crushing

The de-linted cotton seeds mainly used for crushing edible cotton seed oil

4.2 Cotton seed for feed

The de-linted cotton seeds used as a protein ingredient for feed

5 Requirements

5.1 Quality Standard Indicators for Cotton Seed for Oil Crushing as shown in Table 1.

Table 1

Grade	Crude Protein%	Moisture %	Impurities%	Odor
Y1	≥18.0	≤12.0	≤2.0	Normal
Y2	≥17.0			
Y3	≥16.0			

Y4	≥15.0			
Y5	≥14.0			
Y6	≥13.0			
Note: “Y” represents cottonseed for oil crushing, for instance the Y1 means Grade 1 cotton seed for oil crushing.				

5.2 Quality Standard indicators for Cotton seed for feed as shown in Table 2.

Table 2

Grade	Crude Protein%	Moisture %	Impurities%	odor
S1	≥26.0	≤12.0	≤2.0	Normal
S2	≥23.0			
S3	≥20.0			
Note: “S” represents cottonseed for feed, for instance the S1 means Grade 1 cotton seed for feed.				

5.3 Hygienic indicators

Refer to and implemented according to GB 19641 and other relevant National Standards and Regulations

5.4 Phyto-sanitary

Refer to and implemented according to the relevant National Standards and Regulations

6 Test Methodology

6.1 The general test rules shall refer to and implemented according to GB/T 5490

6.2 The sampling and split of samples shall refer to and implemented according to GB 5941

6.3 The evaluation of color and odor shall refer to and implemented according to GB/T5492

6.4 Impurity test shall refer to and implemented according to GB/T 5494

6.5 Crude fat test shall refer to and implemented according to GB/T 5512

6.6 Moisture content test shall refer to and implemented according to GB/T 14489.1

6.7 Crude protein test shall refer to and implemented according to GB/T 14498.2

7 Grade Justification

Make comprehensive evaluation of cotton seed based on crude fat and crude protein content, Y3S1, Y2S2 and Y1S3 shall be Grade 2, and Table 2 shows other grade changes.

Table 3

Grade	Best Grade	1 st Grade	2 nd Grade	3 rd Grade	4 th Grade	5 th Grade	6 th Grade	Under Grade
Indicators	Y1S1	Y1S2	Y1S3	Y2S3	Y3S3	Y4S3	Y5S3	Y6S3
		Y2S1	Y2S2	Y3S2	Y4S2	Y5S2	Y6S2	
			Y3S1	Y4S1	Y5S1	Y6S1		

Note: “Y-S-“represents the crude fat content reaches the corresponding grade of cotton seed for oil crushing, while the crude protein content reaches the corresponding cotton seed grade for feed, for example, Y1S1 represents the crude fat content reaches the 1st grade of cotton seed for oil crushing, while the crude protein content reaches the 1st grade of cotton seed for feed.

8 Packing, Storage and Transport

8.1 Packing of Cotton Seed

Bags made of none toxic fabrics shall be used for packing and waterproof if necessary.

8.2 Storage of Cotton Seed

Cotton seed shall be stored in dry, well ventilated and safe storages, and shall not be stored with toxic materials and shall prevent from contamination and moldy.

8.3 Cotton Seed Transportation

Cotton seed delivery and transportation shall be safe and free from contamination.

END Translation